

AKSHAYKUMARTANDA

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Passionate Software Developer with 5+ **years** of hands-on experience in **software analysis, design, and development**, I have specialized in building **scalable web, cloud, and Windows applications** using **Microsoft technologies and modern full-stack frameworks**. My expertise spans **insurance, Healthcare, tracking systems**, where I have developed **tailored, high-performance solutions** that enhance **operational efficiency, automation, and customer engagement** across industries. I bring a **problem-solving mindset, full-stack proficiency, and a strong foundation in scalable architectures**, ensuring **robust, secure, and innovative applications** for enterprise-level solutions.

- A **skilled full-stack professional** with expertise in developing **scalable, high-performance web applications and services** using **.NET Core (5/6/7/8), ASP.NET MVC, ASP.NET Web API 2, WCF Services, and React.js**.
- **4+ years of experience in full-stack development**, building modern, component-driven UI architectures using **React.js, Redux Toolkit, Next.js, TypeScript, and JavaScript**, ensuring seamless **frontend-backend communication via RESTful APIs**
- **Hands-on experience in MERN Stack (MongoDB, Express.js, React.js, Node.js)**, developing end-to-end web applications with **server-side rendering (SSR)** using Next.js, REST APIs with Express, and NoSQL database management with **MongoDB**.
- Experienced in **designing and developing monolithic and microservices-based applications** using **.NET Core, Node.js, and Azure Serverless Functions**, integrating React.js and Angular for **dynamic, data-driven UIs**.
- Strong experience in **backend development with Node.js and Express.js**, integrating **MongoDB, Mongoose ORM**, and implementing **JWT/OAuth-based authentication** for secure API interactions.
- Developed scalable **server-side applications and APIs in Node.js with Express/Koa.js**, handling **CRUD operations, authentication, role-based access control (RBAC), and third-party API integrations**.
- **Implemented GraphQL APIs** using **Apollo Server** for efficient, flexible data fetching between frontend React applications and backend services.
- **Cloud expertise in Microsoft Azure and AWS**, with experience in designing, deploying, and managing **scalable and secure cloud-based solutions** using **Azure App Services, Azure Functions, Storage, Cosmos DB, and AWS Lambda**.
- **Experienced in DevOps automation and CI/CD pipelines**, managing deployments in **Azure DevOps, GitHub Actions, Jenkins, Docker, and Kubernetes**, ensuring **high availability and scalability**.
- **Expertise in integrating RESTful APIs and GraphQL** with front-end applications, optimizing **real-time data synchronization with WebSockets and Firebase Firestore**.
- Proficient in **UI/UX development and responsive design**, leveraging **Material-UI, Tailwind CSS, Bootstrap, Styled Components**, and implementing **Lazy Loading, Server-Side Rendering (SSR), and Code Splitting** to enhance application performance.
- **Database expertise in SQL (SQL Server, PostgreSQL, MySQL) and NoSQL (MongoDB, Firebase, CosmosDB)**, designing **scalable and optimized database schemas** for high-traffic applications.
- Strong foundation in **Software Development Life Cycle (SDLC), Agile and Waterfall** methodologies, Microservices Design Patterns, and Scalable System Architecture, ensuring high performance and maintainability.
- Successfully **managed and delivered full-stack projects** using **MERN Stack, .NET Core, and Azure**, ensuring **on-time and budget-friendly project completion**.

EDUCATION

- ✓ **Master of Management Information Systems**
Lamar University | Beaumont, Tx, USA
- ✓ **Bachelor of Technology in Computer Science Engineering**
Geetanjali college of Engineering & Technology | Hyderabad, India

TECHNICAL SKILLS & CERTIFICATIONS

Version of .NET	.NET Framework (4.7.2, 4.8), .NET Core (5.0, 6.0, 7.0, 8.0)
Web Development	ASP.NET 4.0, ASP.NET MVC 5.0, ASP.NET Core
Desktop Applications	C#.NET for Windows/Console/Service/Mobile application development
Service-Oriented Architecture	ASP.NET Web API 2, Microservices using .NET Core
IDE	Microsoft Visual Studio (2022, 2019)
Databases & Utilities	Microsoft SQL Server, SQL Server Compact Edition (3.5, 4.0), MySQL, PostgreSQL, SQLite, MS Access, Azure SQL Server, Graph Database
Database Connectivity	Entity Framework (LINQ to Objects, SQL, XML), Code Smith Generator 6.0, ADO.NET, ODBC (RDO), OLEDB (Direct/Indirect Connections for reporting)
Markup Languages	HTML, HTML5, CSS, XML, XSLT, JSON
Client Scripting Languages	ReactJS, JavaScript, AJAX, jQuery, jQuery-UI, Redux, TypeScript, JSON, vis.js, three.js, Highcharts, Bootstrap
Application Servers	IIS (8.0, 10.0), Apache Tomcat (8.0)
Automation & Workflow	Cognizant Flowsource (AI-Driven development and test automation), CI/CD pipelines (Azure Devops)
Version Control/DevOps	GitHub, GitLab, GitHub Actions, TFS, Jenkins
API Testing & Coverage	Postman, SOAP UI
ALM Tools	Atlassian Jira, Rally (CA Agile Central)

PROFESSIONAL EXPERIENCE

.NET Core & React.js Developer

Cognizant Tech Solutions Corp

Hyderabad, India

Programming Analyst

01/2022 – 07/2023

- Working on product requirements with product owners and business analyst and providing software solutions for features development and leading daily scrum meetings with team.
- Conducting Program Increment and Iteration /Sprint Planning’s as per **Agile process/methodologies**.
- Providing solution architectures to the team and preparing design architecture diagrams, activity, component, class and sequence UML and flow process diagrams.
- Solving the customer service queries and technical assistance and troubleshooting technical programs.
- **Architected and developed scalable front-end applications** leveraging **React.js, Next.js, Redux Toolkit, TypeScript, and React Hooks**, ensuring high performance and responsiveness.
- **Wrote unit and integration tests** using **Jest, React Testing Library, and Cypress**, improving test coverage, application reliability, and maintainability.
- Developing application design and Restful Web API Services for web, mobile and desktop clients.
- Assist in design development of responsive user interface web applications using client-side technologies
- Working POC’s and Code review. • Working on relational and non-relational database design for large scale applications.
- Writing on **Unit test** methods and improving the code coverage.
- Managing Azure VM’s and publishing in Azure Cloud Environment and **Internet Information Services (IIS) Manager**.
- Focusing on new technologies and providing reusable components/solutions.
- Consult with product owners and business analyst on project status and software requirements.
- Working with Cyber security team on application security.

End Client Experience / Deloitte Global

07/2021- 12/2021

- Working on software application development using Microsoft technologies.

- Assist in developing application design and Restful Web API Services using Server-side technologies.
- Design and developing UI Client Applications using Client-side technologies.
- Working on existing software applications on bug fixing and enhancements.
- Creating reused components as per the project requirements.
- Support to deploy the applications into Internet Information Services (IIS) Manager for Dev, Test and Prod environments.
- Consult with customers and product owners on project requirements and design discussions..
- Working on development and integration of enterprise-level .NET Core solutions for Deloitte’s client-facing platforms, focusing on scalable microservices architecture, secure API development, real-time data processing, and Azure cloud deployment to support compliance and financial operations

Environment

Windows 10, Windows Server 2016/2019, Visual Studio 2019/2022, Postman, .NET Core (5/6/7), ASP.NET Core, Blazor, RESTful Web API, WCF, React.js, Next.js, Redux Toolkit, Context API, React Hooks (useState, useEffect, useContext, useReducer), TypeScript, JavaScript, jQuery, Microservices Architecture, HTML5, CSS, JavaScript, jQuery, Bootstrap, SQL Server.
Deployment: Internet Information Services (IIS) Manager, Vercel and Netlify.

PEP [Pre Education Program]- Apprenticeship 09/2020 – 06/2021

EPAM Systems

- Developed reusable, maintainable code using Core Java, adhering to design patterns and best practices.
- Participated in API design, debugging techniques, and performance optimization workshops, enhancing team capabilities.
- Collaborated with cross-functional teams to implement functional and non-functional requirements into system solutions.
- Participated in hands-on training sessions on modern software engineering practices, including resource management, job scheduling, and performance engineering.

KEY PROJECTS

[Book a Doctor](#) – Full-Stack .NET Developer 02/2022-02/2023

Contributed as a Full-Stack .NET Developer in a team project focused on developing a scalable and modular medical appointment booking system using a microservices architecture. The system was designed to streamline patient-doctor interactions, enable prescription refills, manage subscriptions, and provide a secure authentication mechanism for seamless access to healthcare services.

Key Contributions & Technologies Used:

- Designed and developed microservices architecture to improve scalability, modularity, and maintainability of the application.
- Implemented RESTful APIs for secure and efficient communication between microservices, ensuring smooth integration of different modules.
- Developed authentication and authorization services to secure user data and restrict access based on roles and permissions.
- Worked with .NET Core and ASP.NET Web API to build backend services and ensure high-performance API responses.
- Integrated SQL Server for structured database management and optimized queries to enhance data retrieval efficiency.
- Utilized Azure DevOps and GitHub for version control, enabling seamless CI/CD pipeline integration.

[DevUtils](#) – Open-Source Developer Tools Contribution 05/2024 – 11/2024

Description:

Contributed to DevUtils, an open-source developer utility tool designed to provide various text transformation and encoding utilities for developers. The project offers a real-time, intuitive user interface for text conversion, encoding, and decoding, enhancing developer productivity.

Key Contributions & Features:

- Developed and optimized a string case converter supporting multiple formats, including lowercase, UPPERCASE, camelCase, snake_case, kebab-case, and CONSTANT_CASE.
- Implemented Base64 and URL encoding/decoding functionalities, allowing secure text transformations for web applications.
- Built a real-time conversion engine for seamless text transformations as users input data.
- Designed and enhanced the frontend using Next.js and React.js, improving performance and user experience.
- Styled and optimized the user interface (UI) with Tailwind CSS and DaisyUI, ensuring a modern, responsive, and accessible design.
- Integrated state management and API handling to improve real-time updates and text manipulation efficiency.
- Collaborated with the open-source community, contributing bug fixes, feature enhancements, and documentation updates.

Technologies Used:

- Frontend: Next.js, React.js
- Styling & UI: Tailwind CSS, DaisyUI
- Development Tools: Git, GitHub, ESLint, Prettier
- Testing & Deployment: Jest, Vercel

Tableau Developer – Viz for Social Good (Tableau Community Project)

08/2023 – 03/2024

Tools & Technologies: Tableau, Tableau Prep, SQL, Data Visualization, Data Storytelling

Responsibilities & Contributions:

- Developed interactive and insightful dashboards to support nonprofit organizations and social impact initiatives using Tableau.
- Transformed raw datasets into engaging, data-driven stories, enabling stakeholders to make informed decisions.
- Applied data visualization best practices to ensure clarity, accessibility, and effectiveness of dashboards.
- Collaborated with global teams to analyze real-world datasets, ensuring accuracy and relevance to social causes.
- Utilized Tableau Prep and SQL to clean, structure, and preprocess data before visualization.
- Integrated advanced calculations, LOD expressions, and parameterized controls to enhance interactivity and user engagement.
- Participated in community feedback sessions, iterating on visualizations based on expert reviews and audience insights.
- Provided data insights and recommendations to help nonprofits improve decision-making and amplify their impact.

[Home Automation](#) | NodeMCU, Wi-Fi, Relay Switches, Adafruit API, IoT Technologies

Jan 2022 - May 2022

- Developed an IoT-based home automation system, enabling users to control appliances from anylocation, resulting in a 25% increase in convenience and energy savings.
- Seamlessly integrated NodeMCU with Wi-Fi connectivity, relay switches, and the Adafruit API, delivering a reliable and efficient solution that improved remote appliance management by 30%.

Additional Managerial Experience

- **Scheduling & Coordination:** Proficient in scheduling and team coordination using platforms like **Slack** and **Planning Center**, ensuring efficient communication and task management in diverse team settings.
- **Arts/Media Handler:** Served as the **Arts/Media Handler** at a local church, managing media content, supporting live events, and coordinating audiovisual setups for services and special events.
- **Event Management:** Led event planning and logistics for the **Unlock Music Fest** and several notable bands from India, overseeing event timelines, artist coordination, and audience engagement to ensure successful music experiences.

